

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andrew Bruss et al.

Title: SYSTEMS AND METHODS FOR EMULATING AN ANGIOGRAM USING THREE-

**DIMENSIONAL IMAGE DATA** 

Docket No.:

543.009US1

October 3, 2003

Examiner:

Filed:

Unknown

Serial No.: 10/679,250

Due Date: N/A

Group Art Unit: 3762

#### MS Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

- $\underline{X}$  Return postcard.
- X Communication Concerning Related Applications (1 pg.).
- X Supplemental Information Disclosure Statement (2 pgs.), Form 1449 (3 pgs.), and copies of 21 cited documents, including the International Search Report for corresponding PCT Application No. PCT/US2004/032715 (4 pgs.)

If not provided for in a separate paper filed herewith, Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Customer Number 21186

Atty: Rodney L. Lacy

Reg. No. 41,136

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 31st day of October, 2005.

Name

Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

(GENERAL)

0/679,250

**PATENT** 

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Title:

SYSTEMS AND METHODS FOR EMULATING AN ANGIOGRAM USING

THREE-DIMENSIONAL IMAGE DATA

#### COMMUNICATION CONCERNING RELATED APPLICATION

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Applicants would like to bring to the Examiner's attention the following related application in the above-identified patent application:

Serial/Patent No. Filing Date/Issue Date

**Attorney Docket** 

Title

10/723,445

November 26, 2003

543.011US1

SYSTEM AND METHODS FOR SEGMENTING AND DISPLAYING TUBULAR VESSELS IN VOLUMETRIC

**IMAGING DATA** 

Continuations and divisionals may be later filed on the cases listed above, or cited to the Examiner in any previous Communication Concerning Related Applications. Applicants request that the Examiner review all continuations and divisionals of the above-listed or previously-cited patent applications before allowing the claims of the present patent application.

Respectfully submitted,

ANDREW BRUSS ET AL.

By Applicants' Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

P.O. Box 2938

Minneapolis, MN 55402

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Date October 31,2005

Rodney L. Lacy

Reg. No. 41,136

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 31st day of October, 2005.

Name

Signature

#### S/N 10/679,250



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andrew Bruss et al. Examiner:

Unknown 3762

Serial No.:

10/679,250

Group Art Unit:

543.009US1

Filed:

October 03, 2003

Docket:

Title:

SYSTEMS AND METHODS FOR EMULATING AN ANGIOGRAM USING

THREE-DIMENSIONAL IMAGE DATA

## INFORMATION DISCLOSURE STATEMENT

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 et. seq., the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Several of the documents listed on the attach 1449 were discovered as a result of a Search Report in Applicant's corresponding foreign patent application. Enclosed for the Examiner's information are copies of these cited documents and the Search Report.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.

Serial No :10/679,250

Filing Date: October 03, 2003

Title: SYSTEMS AND METHODS FOR EMULATING AN ANGIOGRAM USING THREE-DIMENSIONAL IMAGE DATA

Page 2 Dkt: 543.009US1

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of any US Patents or Published Applications cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

ANDREW BRUSS ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A. P.O. Box 2938
Minneapolis, MN 55402
(612) 373-6954

Date (Scholer 3/ 2005 B

Kodney L. Lacy

Reg. No. 41,136

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 5157 day of October, 2005.

Name

**S**ignature

PTO/SB/08A(10-01)
Approved for use through 10/31/2002\_OMB 551-0031
US Patent & Trademark Office: U.S. DEPARTMENT OF COMMERCE
Index the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449A/PTO Complete if Known INFORMATION DISCLOSURE 10/679,250 **Application Number** STATEMENT BY APPLICANT October 3, 2003 Filing Date (Use as many sheets as necessary) Bruss, Andrew **First Named Inventor Group Art Unit** 3762 NOV 0 2 2005 Unknown **Examiner Name** 

Attorney Docket No: 543.009US1

Sheet 1 of 3	The rought

Examiner	USP Document	Publication Date	ATENT DOCUMENTS  Name of Patentee or Applicant of cited Document	Filing Date
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**DATE CONSIDERED EXAMINER** 

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US Patent & Trademark Office: U.S. DEPARTMENT OF COMMERCE.
Under the Paperwork Reduction Act of 1996, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449A/PTO Complete if Known INFORMATION DISCLOSURE **Application Number** 10/679,250 STATEMENT BY APPLICANT October 3, 2003 Filing Date (Use as many sheets as necessary) Bruss, Andrew **First Named Inventor** 3762 **Group Art Unit** Unknown **Examiner Name** Attorney Docket No: 543.009US1 Sheet 2 of 3

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**DATE CONSIDERED EXAMINER** 

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Approved for use through 10/31/2002, OAIB 651-0031
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on of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO	Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	<b>Application Number</b>	10/679,250	
	Filing Date	October 3, 2003	
	First Named Inventor	Bruss, Andrew	
	Group Art Unit	3762	
	Examiner Name	Unknown	
Sheet 3 of 3	Attorney Docket No: 5	543.009US1	

	OTHE	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		SETHIAN, J. A., <u>Level Set Methods and Fast Marching Methods</u> , Evolving Interfaces in Computational Geometry, Fluid Mechanics, Computer Vision, and Materials Science, 2 <sup>nd</sup> Edition, (Series: Cambridge University's Monographs on Applied and Computational Mathematics (No. 3)), (1999), 202 pgs.	